

403.102	Hot Mix Asphalt Pavement for Special Areas	Megagram [Ton]
403.206	Hot Mix Asphalt, 25 mm [1 in]	Megagram
[Ton]	Nominal Maximum Size	
403.207	Hot Mix Asphalt, 19.0 mm [$\frac{3}{4}$ in]	Megagram
[Ton]	Nominal Maximum Size	
403.208	Hot Mix Asphalt, 12.5 mm [$\frac{1}{2}$ in]	Megagram
[Ton]	Nominal Maximum Size	
403.209	Hot Mix Asphalt, 9.5 mm [$\frac{1}{2}$ in] Nominal	Megagram
[Ton]	Maximum Size (sidewalks, drives, islands & incidentals)	
403.210	Hot Mix Asphalt, 9.5 mm [$\frac{1}{2}$ in]	Megagram
[Ton]	Nominal Maximum Size	
403.211	Hot Mix Asphalt (shimming)	Megagram
[Ton]		
403.212	Hot Mix Asphalt, 4.75 mm [$\frac{1}{4}$ in]	Megagram
[Ton]	Nominal Maximum Size	
403.213	Hot Mix Asphalt, 12.5 mm [$\frac{1}{2}$ in]	Megagram [Ton]
	Nominal Maximum Size, Base	

SECTION 404 - 408 VACANT

SECTION 409 - BITUMINOUS TACK COAT

409.01 Description This work consists of furnishing and applying one application of liquid bituminous material on an approved surface in accordance with these specifications and in reasonably close conformity with the lines shown on the plans or established.

409.02 Bituminous Material The type and grade of bituminous material will be

specified in the contract.

The bituminous material shall meet the applicable requirements of Section 702 - Bituminous Materials. The bituminous material may be conditionally accepted at the source.

409.04 Weather Limitation Bituminous material shall not be applied on a wet surface, after sunset or before sunrise, or when the atmospheric temperature is below 10°C [50°F] in a shaded area at the job site, or when weather conditions are otherwise unfavorable to proper construction procedures.

409.05 Equipment The Contractor shall provide necessary equipment to properly apply the bituminous material.

The distributor shall be designed, equipped, maintained and operated so that bituminous material at constant temperature may be applied uniformly on variable widths of surface up to 4.5 m [15 ft] at readily determined and controlled rates from 0.05 to 2.0 L/m² [0.01 to 0.5 gal/yd²], with uniform pressure and with an allowable variation from any specified rate not to exceed 0.05 L/m² [0.01 gal/yd²]. Distributor equipment shall include a tachometer, pressure gauges, accurate volume measuring devices, or a calibrated tank and a thermometer for measuring temperatures of tank contents. Distributors shall be equipped with a power unit for the pump and full circulation spray bars adjustable laterally and vertically. Approved fog type nozzles will be required.

All liquid and cement bituminous material bulk delivery vehicles and distributors shall be equipped with an acceptable sampling valve.

On bulk delivery vehicles the valve shall be located in an accessible area in the lower half of the front or rear bulkhead. The valve shall be similarly located on distributors except that it may be installed in a circulating line having a rising flow.

409.06 Preparation of Surface before application of the bituminous tack coat the surface shall be thoroughly cleaned of all loose and objectionable material. Preparation of the surface shall be considered incidental to the contract.

409.07 Application of Bituminous Material Bituminous material shall be applied by

a pressure distributor in a uniform, continuous spread over the area to be treated and within the temperature range specified in Section 702.05 - Application Temperatures. The rate of application and areas to be treated will be specified in the contract.

When traffic is maintained, one-way passage of vehicles will be maintained on the untreated portion of the roadway. Bituminous tack coat shall not be placed on any surface where traffic will be forced to travel upon the uncovered tack coat. All tack coat shall be covered on the day it is applied.

Care shall be taken so that the application of the bituminous tack coat at the junction of spreads is not in excess of the specified amount. Skipped areas and deficiencies shall be corrected as directed.

409.08 Method of Measurement Unless otherwise specified, bituminous tack coat will be measured by the liter [gallon]. All quantity determinations will be made in accordance with Section 108 - Payment.

409.09 Basis of Payment The accepted quantity of bituminous tack coat will be paid for at the contract unit price per liter [gallon] for the designated type of material complete in place.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
409.15 Bituminous Tack Coat, Applied	liter [gallon]

SECTION 410 - BITUMINOUS SURFACE TREATMENT

Reserved

SECTION 411 - UNTREATED AGGREGATE SURFACE COURSE

411.01 Description This work shall consist of constructing a surface course or